

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("nguyen-din\$-q.xa,xp").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/19 15:25
S2	569	nguyen-din\$-q.xa,xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/19 15:25
S3	5	("2969187"   "3911858"   "4052002"   "4717076").PN. OR ("7051953").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 15:29
S4	11	((("4331294") or ("4426041") or ("6343750") or ("5054474")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 09:53
S5	11	("1293108"   "1961408"   "2358177").PN. OR ("4426041").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 15:52
S6	2	("6161782").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/19 15:52
S7	15	("5484108"   "5570841"   "5685491"   "5766441"   "5899390"   "5924634"   "6050507").PN. OR ("6161782").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 15:52
S8	225	(239/468).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/27 13:04
S9	108	(239/472).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:41
S10	15	("3324891").URPN.	USPAT	OR	ON	2006/10/19 17:51
S11	27	("3324891"   "3496961"   "3507116"   "3515158"   "3528445"   "3712321"   "4846224").PN. OR ("5197517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 17:53

## EAST Search History

S12	5	("3324891"   "3481180").PN. OR ("3641810").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 17:54
S13	15	("3324891").URPN.	USPAT	OR	ON	2006/10/23 08:43
S14	27	("3324891"   "3496961"   "3507116"   "3515158"   "3528445"   "3712321"   "4846224").PN. OR ("5197517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 08:49
S15	82	(137/812).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 08:54
S16	9	("3474670").URPN.	USPAT	OR	ON	2006/10/23 08:52
S17	86	(137/813).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 12:32
S18	288	(239/463).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:41
S19	40	(239/478).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 09:11
S21	33	(239/509).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 09:12
S22	245	(239/499).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:42
S23	9	("4331294" "4426041" "6343750"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 09:54

## EAST Search History

S24	416	(239/405).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:09
S25	73	(239/421).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 09:59
S26	420	(239/423).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 09:59
S27	329	(239/426).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:53
S28	323	(239/434.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:42
S29	4	("3002819").URPN.	USPAT	OR	ON	2006/10/23 10:06
S30	235	(239/400).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:57
S31	18	("1069243"   "1381095"   "1462395"   "1567482"   "1740296"   "1934837"   "3853273"   "4198815"   "4559009").PN. OR ("4884746"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 10:12
S32	7	("1381095").URPN.	USPAT	OR	ON	2006/10/23 10:14
S33	34	("1369688"   "1381095"   "1413134"   "1474900"   "1564064"   "2566040"   "2879948"   "3092332"   "3152065"   "3814567"   "3993431"   "4255121"   "4416610"   "4819878"   "5129583"   "5176324"   "5220786"   "5249957"   "5484107"   "5681162"   "5685705"   "5685706"   "5791892"   "5813847"   "6132202").PN. OR ("6491236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 10:15

## EAST Search History

S34	122	(239/416.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:36
S35	206	(239/416.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:36
S36	284	(239/427).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:54
S37	242	(239/427.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:54
S38	436	(239/403).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 10:58
S39	13	("1535575"   "3088681"   "3601318"   "3615053").PN. OR ("5071068"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 11:04
S40	4	("3424542").URPN.	USPAT	OR	ON	2006/10/23 11:17
S41	12	("3095153").URPN.	USPAT	OR	ON	2006/10/23 11:22
S42	9	("2566040").URPN.	USPAT	OR	ON	2006/10/23 11:30
S43	12	("1874970").URPN.	USPAT	OR	ON	2006/10/23 11:35
S44	0	("1827390").URPN.	USPAT	OR	ON	2006/10/23 11:36
S45	0	("1827390").URPN.	USPAT	OR	ON	2006/10/23 11:37
S46	28	("1826776").URPN.	USPAT	OR	ON	2006/10/23 11:39
S47	2	Wu-jao.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 06:39
S48	28	("3324891"   "3496961"   "3507116"   "3515158"   "3528445"   "3712321"   "4846224").PN. OR ("5197517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 12:19

## EAST Search History

S49	8	("3511257"   "3545468"   "4542775").PN. OR ("4846224").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 12:30
S50	83	(137/812).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 12:32
S51	11	("3545468").URPN.	USPAT	OR	ON	2007/04/23 12:36
S52	9	("3511257").URPN.	USPAT	OR	ON	2007/04/23 12:41
S53	11	("3507116").URPN.	USPAT	OR	ON	2007/04/23 12:42
S54	3	("3496961").URPN.	USPAT	OR	ON	2007/04/23 12:44
S55	15	("3324891").URPN.	USPAT	OR	ON	2007/04/23 12:44
S56	15	("0580151"   "1731555"   "2247897"   "2914257"   "3347471"   "4087050"   "4092003").PN. OR ("4717076").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 12:54
S57	16	("1938000"   "2425817"   "2550573"   "2815248"   "3072346"   "3304013").PN. OR ("4092003").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 12:55
S58	7	("3304013").URPN.	USPAT	OR	ON	2007/04/23 12:56
S59	9	("2815248").URPN.	USPAT	OR	ON	2007/04/23 12:58
S60	44	("0443734"   "0501178"   "0683646"   "0920864"   "1189068"   "1465580"   "1517598"   "2247897"   "2358177"   "2499084"   "2659631"   "2815248"   "3198214"   "3326473"   "3762652"   "4125226").PN. OR ("4664314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 12:59
S61	4	("580151").URPN.	USPAT	OR	ON	2007/04/23 13:09
S62	20	("3172735"   "3662960"   "3811278"   "3946552"   "4205786").PN. OR ("4464314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 13:10
S63	43	("0860259"   "1233557"   "2599422"   "3286997"   "3336017"   "3414242"   "3651619"   "3667221"   "3866585"   "3944634"   "4087862"   "4159881"   "4215535"   "4464314"   "4515734"   "4568500"   "4726686"   "5071068"   "5169302"   "5340306"   "5472645"   "5512216"   "5672187").PN. OR ("6113078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 13:11
S64	15	("3286997").URPN.	USPAT	OR	ON	2007/04/23 13:16

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S65	7	("3070317").URPN.	USPAT	OR	ON	2007/04/23 13:23
S66	12	("1874970").URPN.	USPAT	OR	ON	2007/04/23 13:33
S67	28	("1826776"   "1827390").URPN.	USPAT	OR	ON	2007/04/23 13:35
S68	12	("0724008"   "1494009"   "1826776"   "3784111"   "3829013"   "4828182"   "4925109"   "5492655").PN. OR ("6338444"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 13:38
S69	7	("1381095").URPN.	USPAT	OR	ON	2007/04/23 15:17
S70	36	(239/473).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 15:22
S71	171	(239/487).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 15:37
S72	12618	vortex with generat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:37
S73	231512	flow with regulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:38
S74	243521	S72 S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:38
S75	3874	S74 and (tangential\$3 with flow\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:39
S76	14709	S74 and (radial\$2 with flow\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:40

## EAST Search History

S77	1356	S75 and (radial\$2 with flow\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/23 15:42
S78	9	((("4331294") or ("4426041") or ("6343750")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 15:43
S79	35	("20010048877"   "20020162329"   "20040041400"   "3935897"   "4064409"   "4070131"   "4095118"   "4120283"   "4135493"   "4211084"   "4242591"   "4410805"   "4433248"   "4433544"   "4438341"   "4452046"   "4452562"   "4499034"   "4553037"   "4691130"   "4755352"   "4779006"   "4894993"   "4935639"   "5096467"   "5227683"   "5381048"   "5478197"   "6160336"   "6215199"   "6518680"   "6532740"   "6590300"   "6595753"   "6729839").PN. OR ("7154190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 15:45
S80	28	("1057613"   "1292561"   "2453593"   "2816490"   "3454163"   "3486314"   "3616911"   "3687286"   "3768658"   "4140632"   "4226369"   "4231771"   "4399027"   "4407205").PN. OR ("4511474").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:23
S81	26	("1842877"   "2566555"   "2653801"   "3215407"   "3261593"   "3363403"   "3566582"   "3779518").PN. OR ("4092013").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:29
S82	11	("2616563"   "3849075"   "3855339"   "3959401"   "4070250"   "4092013"   "4224284").PN. OR ("4461742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:30
S83	28	("1432170"   "1954352"   "2655443"   "2689786"   "2707444"   "2739104"   "2767840"   "2848381"   "3064811"   "3541003"   "3655518"   "3853498").PN. OR ("4070250").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:31
S84	9	("3064811").URPN.	USPAT	OR	ON	2007/04/23 17:40

## EAST Search History

S85	18	("2010435"   "2967618"   "2981413"   "3064811"   "3396511"   "3595392"   "3720314"   "4350596"   "4544486"   "4555332"   "4600410"   "4726686").PN. OR ("5112498").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:40
S86	17	("1639685"   "1938000"   "4570494"   "4673656"   "4743407"   "4793556"   "4941618"   "5112498"   "5162650"   "5163617"   "5202562").PN. OR ("5335860").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41
S87	7	("2981413").URPN.	USPAT	OR	ON	2007/04/23 17:44
S88	14	("3261593").URPN.	USPAT	OR	ON	2007/04/23 17:47
S89	10	("3521657").URPN.	USPAT	OR	ON	2007/04/23 17:53
S90	2	Wu-jao.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 06:39
S91	230	(239/468).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:40
S92	109	(239/472).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:41
S93	312	(239/463).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:41
S94	252	(239/499).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:42
S95	326	(239/434.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 13:33



## EAST Search History

S96	691	(239/433).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 13:32
S97	2	("4796815").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 06:47
S98	99	("0007318"   "0020488"   "0174781"   "0385069"   "0437915"   "0578948"   "0948421"   "2954936"   "3138153"   "3324891"   "3340870"   "3396722"   "3412939"   "3496961"   "3507116"   "3515158"   "3528445"   "3712321"   "3801019"   "3868949"   "3910554"   "4019535"   "4145004"   "4204646"   "4221337"   "4221338"   "4477109"   "4588131"   "4593420"   "4637080"   "4758023"   "4793331"   "4805664"   "4846224"   "4926510").PN. OR ("1874970"   "3070317"   "5054474"   "5197517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 10:07
S99	187	("1101804"   "1451063"   "2595491"   "2682868"   "3067435"   "3070317"   "3221800"   "3414003"   "3511257"   "3524591"   "3528411"   "3540438"   "3545468"   "3581998"   "3684191"   "3802422"   "3874374"   "3890655"   "3893475"   "3902671"   "3946449"   "3979096"   "4013091"   "4088149"   "4168705"   "4185654"   "4211368"   "4296778"   "4416030"   "4422191"   "4441488"   "4458676"   "4502168"   "4525881"   "4541780"   "4542775"   "4577353"   "4629125"   "4689839"   "4715071"   "4726080"   "4793332"   "4907744"   "4926510"   "4933999"   "5054474"   "5093942"   "5093943").PN. OR ("3324891"   "3496961"   "3507116"   "3515158"   "3868949"   "4218012"   "4221337"   "4593420"   "4637080"   "4846224"   "5230106").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 10:22

# EAST Search History

S10 0	454	("0007318"   "0020488"   "0174781"   "0334800"   "0385069"   "0437915"   "0578948"   "0948421"   "1034101"   "1051908"   "1198544"   "1539846"   "1631894"   "1704498"   "1821579"   "2127188"   "2333767"   "2460545"   "2530808"   "2567176"   "2642813"   "2701563"   "2772421"   "2893756"   "2954936"   "2985385"   "3111273"   "3138153"   "3182336"   "3195303"   "3198214"   "3215165"   "3219048"   "3273560"   "3287741"   "3297025"   "3324891"   "3331382"   "3336921"   "3340870"   "3343790"   "3345982"   "3380393"   "3391870"   "3396722"   "3412939"   "3471091"   "3481180"   "3496961"   "3504702"   "3507116"   "3513865"   "3514042"   "3515158"   "3521657"   "3528445"   "3540438"   "3541616"   "3548637"   "3563260"   "3605131"   "3614952"   "3638671"   "3638672"   "3643688"   "3670967"   "3712321"   "3722522"   "3745994"   "3753496"   "3782791"   "3801019"   "3806964"   "3815748"   "3827461"   "3849086"   "3851898"   "3868949"   "3880553"   "3890655"   "3890656"   "3905358"   "3910554"   "3946449"   "3977027"   "3993101"   "4003405"   "4004349"   "4019535"   "4082091"   "4098568"   "4112977"   "4117979"   "4134100"   "4144021"   "4144898"   "4145004"   "4168705"   "4177947"   "4204646"   "4206783"   "4220145"   "4221336"   "4221337"   "4221338"   "4240166"   "4259988"   "4261347"   "4262371"   "4264039"   "4265405"   "4276943"   "4291395"   "4320541"   "4323991"   "4335854"   "4339833"   "4349923"   "4358862"   "4365915"   "4379097"   "4402094"   "4408721"   "4412451"   "4416030").PN. OR ("4420846"   "4422191"   "4424598"   "4441403"   "4442045"   "4443900"   "4449260"   "4458676"   "4460519"   "4466141"   "4477109"   "4501659"   "4502168"   "4508665"   "4510967"   "4520514"   "4523340"   "4525881"   "4537358"   "4541780"   "4547853"   "4547854"   "4587757"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 10:43
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## EAST Search History

S10 1	31	("1539846"   "3380393"   "3643688"   "4264039"   "4320541"   "4335854"   "4422191"   "4443900").PN. OR ("4541780"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 11:04
S10 2	17	("3198214"   "3447383"   "3563260"   "3849086"   "4003405").PN. OR ("4112977").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 11:26
S10 3	9	("3373759"   "3493003"   "3507296"   "3515158"   "4112977").PN. OR ("5573029").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 11:26
S10 4	12	("3198214").URPN.	USPAT	OR	ON	2007/11/27 11:28
S10 5	3	("3496961").URPN.	USPAT	OR	ON	2007/11/27 11:39
S10 6	3	("3496961").URPN.	USPAT	OR	ON	2007/11/27 11:40
S10 7	9	("3481180").URPN.	USPAT	OR	ON	2007/11/27 11:45
S10 8	203	(4/541.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/27 11:45
S10 9	18	("2010435"   "2967618"   "2981413"   "3064811"   "3396511"   "3595392"   "3720314"   "4350596"   "4544486"   "4555332"   "4600410"   "4726686").PN. OR ("5112498").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:46
S11 0	44	("0443734"   "0501178"   "0683646"   "0920864"   "1189068"   "1465580"   "1517598"   "2247897"   "2358177"   "2499084"   "2659631"   "2815248"   "3198214"   "3326473"   "3762652"   "4125226").PN. OR ("4664314"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:48
S11 1	23	("1780233"   "2519738"   "2815248"   "3304013"   "3326473"   "3550859"   "3843059"   "3910448"   "3944138"   "4092003"   "4173308"   "4195748"   "4550876"   "4664314").PN. OR ("4884751"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:50

## EAST Search History

S11 2	44	("0443734"   "0501178"   "0683646"   "0920864"   "1189068"   "1465580"   "1517598"   "2247897"   "2358177"   "2499084"   "2659631"   "2815248"   "3198214"   "3326473"   "3762652"   "4125226").PN. OR ("4664314"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:51
S11 3	16	("1938000"   "2425817"   "2550573"   "2815248"   "3072346"   "3304013").PN. OR ("4092003"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:51
S11 4	8	("3304013").URPN.	USPAT	OR	ON	2007/11/27 12:53
S11 5	11	("3304013"   "3680793"   "3887137"   "4367847"   "5152463"   "5333790"   "5358179"   "5421522"   "5934569"   "RE30004").PN. OR ("RE39767").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:54
S11 6	16	("2218110"   "2557247"   "2666669"   "3013731"   "3304013").PN. OR ("3887137").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:55
S11 7	22	("2719755"   "2904263"   "3182916"   "3532271"   "3680793"   "3771728"   "3887137"   "4531677"   "4613079"   "4967964"   "5435885"   "5437413"   "5570841"   "5740967"   "5934569"   "5951882"   "6186417"   "6193172").PN. OR ("7198201"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:56
S11 8	9	("2378348"   "2508788"   "2904263"   "4991778").PN. OR ("6186417"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:56
S11 9	5	("2904263").URPN.	USPAT	OR	ON	2007/11/27 12:57
S12 0	6	("1722733"   "2904263"   "3326473").PN. OR ("4231524"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 12:59
S12 1	21	("3326473").URPN.	USPAT	OR	ON	2007/11/27 12:59
S12 2	21	("3326473").URPN.	USPAT	OR	ON	2007/11/27 13:03
S12 3	75	(239/469).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/27 13:04

## EAST Search History

S12 4	35	("3568716"   "3762648"   "3801019"   "3940069"   "3963179").PN. OR ("4068801").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 13:06
S12 5	5	("2967327").URPN.	USPAT	OR	ON	2007/11/27 13:11
S12 6	21	("1269122"   "1785802"   "2967327"   "3134827"   "3524630"   "4018387"   "4073832").PN. OR ("4284590").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 13:11
S12 7	29	("1038804"   "1394452"   "1436351"   "2719056"   "3240254"   "3993246"   "4018387"   "4161281"   "4161282"   "4261511"   "4284590").PN. OR ("5232164").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/27 13:13
S12 8	3	("2499084").URPN.	USPAT	OR	ON	2007/11/27 13:17
S12 9	6	("2550573").URPN.	USPAT	OR	ON	2007/11/27 13:35
S13 0	293	(137/833).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/27 13:35
S13 1	47	("1874970"   "3198214"   "3324891"   "3521657").URPN.	USPAT	OR	ON	2007/12/16 13:03

## EAST Search History

S13 2	150	("0443734"   "0501178"   "0683646"   "0920864"   "1189068"   "1465580"   "1517598"   "2247897"   "2358177"   "2499084"   "2659631"   "2815248"   "3195303"   "3198214"   "3215165"   "3219048"   "3324891"   "3326473"   "3331382"   "3343790"   "3447383"   "3481180"   "3496961"   "3507116"   "3513865"   "3515158"   "3521657"   "3528445"   "3563260"   "3638671"   "3638672"   "3712321"   "3722522"   "3753496"   "3762652"   "3782791"   "3815748"   "3827461"   "3849086"   "3851898"   "3880553"   "3993101"   "4003405"   "4004349"   "4098568"   "4112977"   "4125226"   "4134100"   "4144021"   "4177947"   "4206783"   "4259988"   "4276943"   "4291395"   "4323991"   "4365915"   "4441403"   "4632574"   "4679595"   "4726742"   "4834142"   "4846224"   "4889166"   "5038817"   "5052442"   "5080137"   "5188135"   "5198028"   "5337789"   "5524393"   "5640988"   "5700041").PN. OR ("3641810"   "4112977"   "4418721"   "4664314"   "5197517"   "5687766"   "6374858").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:07
S13 3	18	("2428748"   "2668084"   "3771728").PN. OR ("4125226"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:09
S13 4	11	("2428748").URPN.	USPAT	OR	ON	2007/12/16 13:11
S13 5	695	(239/433).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 13:32
S13 6	329	(239/434.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 13:33
S13 7	632	(239/434).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 13:33

## EAST Search History

S13 8	11	("2384946"   "3640472"   "3680792"   "3767125"   "4655395"   "4828182"   "5232883"   "5518183").PN. OR ("6415993"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:40
S13 9	21	("3272441"   "3656693"   "4434766"   "4519370"   "4545354"   "4566634"   "4957241"   "4982716"   "5035358").PN. OR ("5207383"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:46
S14 0	6	("3272441").URPN.	USPAT	OR	ON	2007/12/16 13:50
S14 1	44	("3272441"   "3275063"   "3310240"   "3371869"   "3408007"   "3421693"   "3521370"   "3533558"   "3656693"   "3794449"   "4042653"   "4347032"   "4416548"   "4421412"   "4434766"   "4519370"   "4545354"   "4566634"   "4753374"   "4884892"   "4957241"   "4982716"   "5035358").PN. OR ("5056715"   "5207383").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:52
S14 2	93	("3083913"   "4142805"   "4194841"   "4213709"   "4227816"   "4255059"   "4300842"   "4329065").PN. OR ("3272441"   "3310240"   "3371869"   "3533558"   "3656693"   "4421412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 13:58
S14 3	7	("3326467"   "3371869").PN. OR ("3758033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 14:11
S14 4	29	("1826776").URPN.	USPAT	OR	ON	2007/12/16 14:33
S14 5	23	("1594641"   "1826776"   "3101176"   "3476322").PN. OR ("3747851"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/16 14:34